

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) A mount assembly for use with a vehicle having a frame and a vehicle body, said mount assembly comprising:

a support structure having an aperture and adapted to be mounted to the frame of the vehicle;

a carrier adapted to be mounted to the vehicle body and at least partially disposed within said aperture with said support structure being displaceable relative to said carrier along a line of travel when the frame moves relative to the vehicle body; and

an insulator disposed between said support structure and said carrier for coupling said carrier to said support structure;

said insulator having a first portion defining a first resistance and a first maximum width for isolating said displacement of said support structure during an application of a first force along said line of travel in a first direction which at least partially compresses said first portion, and a second portion defining a second resistance and a second maximum width with said second resistance being greater than said first resistance for isolating and translating said displacement of said support structure after said application of said first force and during an application of a second force along said line of travel in said first direction wherein said second force is greater than said first force such that both of said first and second portions are at least partially compressed and said second width being larger than said first width to define a ledge on said second portion extending outwardly beyond said width of said first portion,

said insulator defining an opening through said first and second portions and a base extending from said openings to said ledge with said base being substantially flat relative to said support structure and abutting said support structure for ensuring that said first and second portions are properly compressed during said applications of said forces,

said first and second portions having a first height that is substantially uniform between said base and a top of said first portion, and said second portion having a second height that is substantially uniform between said base and a top of said ledge for allowing

said first and second portions to be compressed uniformly during said applications of said forces, said second height of said second portion being smaller than said first height of said first and second portions;

said carrier defining a cup at least partially surrounding said first portion and compressing said uniform first height of said first portion and second portions without compressing said ledge and said second portion when said first force is applied with said cup including a flange spaced from said ledge during said application of said first force and engaging and compressing against said uniform second height of said ledge during said application of said second force.

2. (Original) The assembly as set forth in claim 1 wherein said first portion is at least partially compressed before said second portion is at least partially compressed.

3. (Original) The assembly as set forth in claim 1 wherein said first and second portions of said insulator are formed of the same material.

4. (Original) The assembly as set forth in claim 1 wherein said first and second portions of said insulator are formed of a common homogeneous material.

5. (Original) The assembly as set forth in claim 4 wherein said common homogeneous material is further defined as micro-cellular polyurethane.

6. (Cancelled).

7. (Cancelled).

8. (Currently Amended) The assembly as set forth in claim ~~[[7]]~~ 1 wherein said first height is 3 times larger than said second height.

9. (Currently Amended) The assembly as set forth in claim ~~[[1]]~~ 31 wherein said first outer peripheral surface of said first portion has an annular configuration defining a first circumference.

10. (Currently Amended) The assembly as set forth in claim 9 wherein said second outer peripheral surface of said second portion has an annular configuration defining a second circumference which is larger than said first circumference to define an annular ledge on said second portion extending outwardly beyond said circumference of said first portion.

11. (Original) The assembly as set forth in claim 10 wherein said first portion and said second portion having said annular ledge are formed of a common homogeneous material.

12. (Cancelled).

13. (Currently Amended) The assembly as set forth in claim 1 ~~[[6]]~~ wherein said flange extends outwardly from said cup over said ledge for engaging and compressing against said ledge during said application of said second force.

14. (Original) The assembly as set forth in claim 13 wherein said cup further includes an inner wall extending through said aperture to a distal end.

15. (Original) The assembly as set forth in claim 14 wherein said inner wall of said cup at least partially extends through said aperture.

16. (Original) The assembly as set forth in claim 15 further including a plate mounted to said distal end of said inner wall.

17. (Original) The assembly as set forth in claim 16 further including a fastener interconnecting said plate to said inner wall such that said plate and said carrier move as a single unit.

18. (Original) The assembly as set forth in claim 16 further including a second insulator for further coupling said carrier to said support structure and for further isolating said displacement of said carrier when said first and second forces are applied along said line of travel.

19. (Original) The assembly as set forth in claim 18 wherein said second insulator is disposed between said support structure and said plate.

20. (Currently Amended) An insulator for a mount assembly of a vehicle having a frame and a vehicle body wherein the mount assembly includes a support structure mounted to the frame and a carrier mounted to the vehicle body with the support structure having a flange and being displaceable relative to the carrier along a line of travel when the frame moves relative to the vehicle body and said insulator disposed between the support structure and the carrier for coupling the carrier to the support structure, said insulator comprising:

a first portion defining a first resistance and a first maximum width for isolating the displacement of the support structure during an application of a first force along the line of travel in a first direction which at least partially compresses said first portion; and

a second portion defining a second resistance and a second maximum width with said second resistance being greater than said first resistance for isolating and translating the displacement of the support structure after the application of the first force and during an application of a second force along the line of travel in the first direction wherein the second force is greater than the first force such that both of said first and second portions are at least partially compressed and with said second width being larger than said first width to define a ledge on said second portion extending outwardly beyond said width of said first portion;

~~said first and second portions being formed of micro-cellular polyurethane and said first portion having a first height and said second portion having a second height with said first height being at least 3 times larger than said second height for preventing said ledge from being compressed during the application of the first force;~~

said first and second portions each defining an opening therein and said second portion having a base extending from said openings to said ledge with said base being substantially flat relative to said support structure and abutting said support structure for ensuring that said first and second portions are properly compressed during said applications of said forces;

said first and second portions having a first height that is substantially uniform between said base and a top of said first portion with said top of said first portion configured to be contiguous with the carrier, and said second portion having a second height that is substantially uniform between said base and a top of said ledge with said ledge configured to be positioned below the flange of the support structure for allowing said first and second portions to be compressed uniformly during the application of the forces; and

said first height being at least 3 times larger than said second height for preventing said ledge from being compressed during the application of the first force.

21. (Original) The insulator as set forth in claim 20 wherein said first portion is at least partially compressed before said second portion is at least partially compressed.

22. (Original) The insulator as set forth in claim 20 wherein said first and second portions are formed of the same material.

23. (Original) The insulator as set forth in claim 20 wherein said first and second portions are formed of a common homogeneous material.

24. - 27. (Cancelled).

28. (Currently Amended) The insulator as set forth in claim [[20]] 32 wherein said first outer peripheral surface of said first portion has an annular configuration defining a first circumference.

29. (Currently Amended) The insulator as set forth in claim 28 wherein said second outer peripheral surface of said second portion has an annular configuration defining a second circumference which is larger than said first circumference to define an annular ledge on said second portion extending outwardly beyond said circumference of said first portion.

30. (Original) The insulator as set forth in claim 29 wherein said first portion and said second portion having said annular ledge are formed of a common homogeneous material.

31. (New) The assembly as set forth in claim 1 wherein said first maximum width of said first portion defines a first outer peripheral surface of said insulator and said second maximum width of said second portion defines a second outer peripheral surface of said insulator that is parallel to said first outer peripheral surface with said first outer peripheral surface intersecting said ledge of said second portion for further ensuring that said first and second portions are uniformly compressed during said applications of said forces.

32. (New) The assembly as set forth in claim 20 wherein said first maximum width of said first portion defines a first outer peripheral surface of said insulator and said second maximum width of said second portion defines a second outer peripheral surface of said insulator that is parallel to said first outer peripheral surface with said first outer peripheral surface intersecting said ledge of said second portion for further ensuring that said first and second portions are uniformly compressed during the application of the forces.